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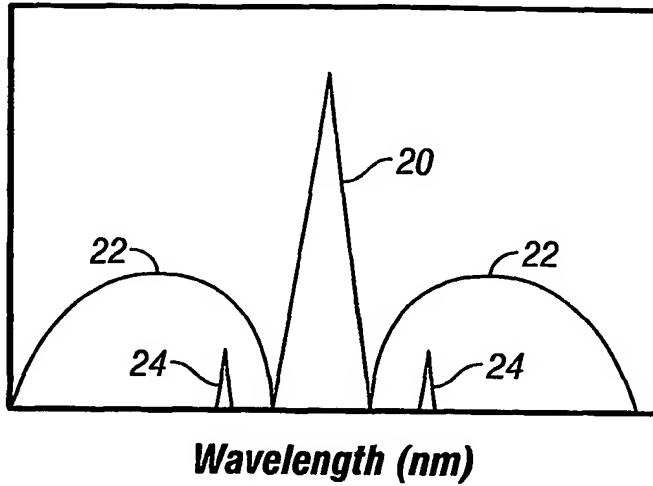
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(54) Title: SYSTEM AND METHOD TO MINIMIZE MODULATION INSTABILITY

Intensity (log-scale)



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(57) Abstract: The present invention comprises the use of a fiber in a sensing optical fiber system operated in a region of negative chromatic dispersion to minimize modulation instability thereby enabling the identification and measurement of the information-carrying signals. The present invention may be used in a variety of sensing environments.